

## A FOUR POLE TORQUE MOTOR

### ABSTRACT

[0029] A four pole torque motor including a rotor assembly having a magnetic device, a motor core and a motor shaft, a stator having four stator members, wherein the stator is disposed so as to be surroundingly associated with the rotor assembly, a single motor coil, wherein the motor coil is disposed so as to be surroundingly associated with the stator and a motor housing having a housing body, wherein the housing body defines a housing cavity for containing the rotor assembly, the stator and the motor coil.